



PROPOSED NEW CLAIMS

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35. An arrangement for displaying an image for viewing by a human eye on a target, comprising:

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- a) an energizable laser for projecting a laser beam toward the target when energized;
  - b) a scanner for sweeping the laser beam along a plurality of light paths over the target; and
  - c) a controller operatively connected to, and operative for energizing, the laser at selected positions of the laser beam in at least one of the light paths to generate individual light pixels at the selected positions, and at a refresh rate at which the pixels persist to enable the eye to steadily view the image comprised of a light pattern of the pixels on the target.

36. The arrangement of claim 35, wherein the scanner includes a first scan mirror for sweeping the laser beam along a first direction along said at least one of the light paths, and a second scan mirror for sweeping the laser beam along a second direction generally orthogonal to the first direction, and wherein the controller is operative for energizing and de-energizing the laser as the laser beam is swept along a plurality of each of the light paths.

37. The arrangement of claim 35; and further comprising a housing for supporting the laser, the scanner, and the controller, the housing having a light-transmissive element through which the swept laser beam is directed toward the target.

38. The arrangement of claim 37, wherein the housing has a size and a shape configured to be held in a user's hand.

39. The arrangement of claim 38, wherein the housing is elongated and extends between opposite end regions, and wherein the element is located at one of the end regions.

40. The arrangement of claim 38, wherein the housing has a panel having a front surface to which the swept laser beam is projected.

41. The arrangement of claim 40, wherein the panel is mounted on the housing for movement to a display position in which the swept laser beam is incident on the front surface of the panel.

42. The arrangement of claim 36, wherein the first scan mirror is moved at a first rate of speed through a first angular distance, and wherein the second scan mirror is moved at a second rate of speed slower than said first speed, and through a second angular distance greater than said first angular distance.

43. The arrangement of claim 35, wherein the controller is operatively connected to a memory having stored fonts and timing data as to when to energize and de-energize the laser to display the image as font characters.

44. The arrangement of claim 35, wherein the laser, the scanner and the controller are mounted on a common support to constitute a module.

45. A method of displaying an image for viewing by a human eye on a target, comprising the steps of:

- a) providing an energizable laser to project a laser beam toward the target;
- b) sweeping the laser beam along a plurality of light paths over the target; and
- c) energizing the laser at selected positions of the laser beam in at least one of the light paths to generate individual light pixels at the selected positions, and at a refresh

rate at which the pixels persist to enable the eye to steadily view the image comprised of a light pattern of the pixels on the target.

46. The method of claim 45, wherein the sweeping step is performed by sweeping the laser beam along two mutually orthogonal directions.

47. The method of claim 45, wherein the steps are performed in a housing having a light-transmissive element through which the swept laser beam is directed.

48. The method of claim 47, wherein the swept laser beam is directed at a front surface of a panel mounted on the housing.

49. The method of claim 45, wherein step (c) is performed by displaying font characters.

50. A hand-held, electronic device for displaying information, comprising:

- a) a housing having a display panel;
- b) an energizable laser in the housing for projecting a laser beam toward the display panel when energized;
- c) a scanner in the housing for sweeping the laser beam along a plurality of light paths over the display panel; and
- d) a controller in the housing operatively connected to, and operative for energizing, the laser at selected positions of the laser beam in at least one of the light paths to generate individual light pixels at the selected positions on the display panel, and at a refresh rate at which the pixels persist to enable a human eye to steadily view the image comprised of a light pattern of the pixels on the display panel.

51. The device of claim 50, wherein the device is a telephone, and wherein the display panel is hinged to the telephone.

52. A wearable, electronic device for displaying information, comprising:
- a) a wearable housing having a display surface positioned in front of a human eye;
  - b) an energizable laser in the housing for projecting a laser beam toward the display surface when energized;
  - c) a scanner in the housing for sweeping the laser beam along a plurality of light paths over the display surface; and
  - d) a controller in the housing operatively connected to, and operative for energizing, the laser at selected positions of the laser beam in at least one of the light paths to generate individual light pixels at the selected positions on the display surface, and at a refresh rate at which the pixels persist to enable the eye to steadily view the image comprised of a light pattern of the pixels on the display surface.